

531,626

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/035786 A1

(51) International Patent Classification⁷: **C12N 15/12**,
15/63, 5/16, A61K 48/00, 38/45

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(21) International Application Number:
PCT/AU2003/001356

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(22) International Filing Date: 14 October 2003 (14.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2002952032 14 October 2002 (14.10.2002) AU
2003902047 30 April 2003 (30.04.2003) AU

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: A METHOD OF MODULATING EPITHELIAL CELL ACTIVITY BY MODULATING THE FUNCTIONAL LEVELS OF SPHINGOSINE KINASE

(57) Abstract: The present invention relates generally to a method of modulating endothelial cell functional characteristics and to agents useful for same. More particularly, the present invention relates to a method of modulating vascular endothelial cell pro-inflammatory and angiogenic phenotypes by modulating the functional levels of intracellular sphingosine kinase. The method of the present invention is useful, *inter alia*, in relation to the treatment and/or prophylaxis of conditions which are characterised by inadequate endothelial cell functioning and may include conditions such as vascular engraftment, organ transplantation or wound healing or conditions which are characterised by an aberrant endothelial cell inflammatory or angiogenic phenotype. Further, the method of the present invention facilitates the development of agents, such as functionally manipulated endothelial cell populations, for a range of therapeutic and/or prophylactic uses.



WO 2004/035786 A1